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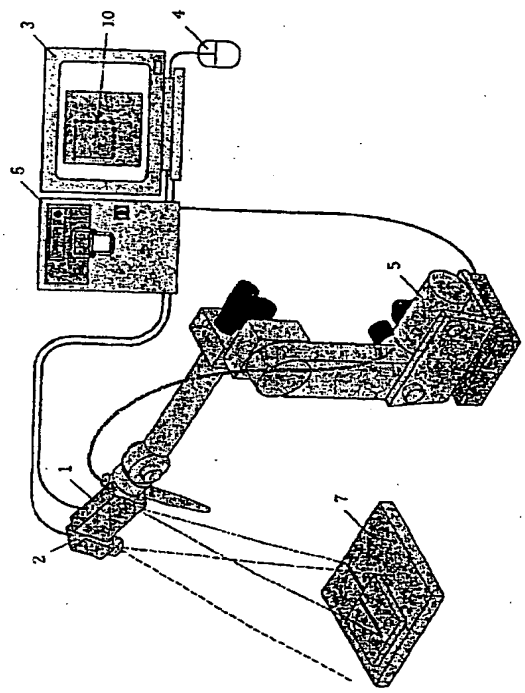
(54) Robot teaching apparatus

(57) An image of a reference work (7) is captured using a camera (2) and the image is displayed on an image display device (3). A measurement starting point is pointed by an image position pointing device (4). A corresponding view line is obtained using a position on the image and a position and a direction of the camera (2), and a robot (5) approaches the reference work (7) such that it does not deviate from a projecting direction to move to a position suitable for measurement. A slit light is projected and measurement of an inclination of a face in the vicinity of a measuring point is started. An image including a bright line image on the reference work is photographed and 3-dimensional positions of points sequentially measured along a working line. A movement path of a robot is created using these positions as teaching points.

FIG. 1



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EUROPEAN SEARCH REPORT

Application Number
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TECHNICAL FIELDS SEARCHED (Int.Cl.7)

G05B

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	30 June 2005	MESEGUER MAYORAL, J

CATEGORY OF CITED DOCUMENTS

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